

Pathology Jars

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How to describe a Jar?

① Specimen :

1. Organ
2. Closed or Opened / L.S. / T.S.
3. Adult or child

② Lesion : (75% Mass, ulcer or cavity)

Number
Site
Size
Shape
Surrounding
+

Mass



1. Cut and outer Surface
2. Colour
3. ± Capsule

Cavity



1. Wall
2. Content

ulcer



1. Edge
2. Floor

③ Diagnosis :

----- + -----

* Malignant Mass:

Single (Multiple in metastasis) • in $\begin{cases} \text{upper} \\ \text{Middle} \\ \text{lower} \end{cases}$ (part of organ)
 $\begin{cases} \text{oval} \\ \text{rounded} \\ \text{irregular} \end{cases}$ • measuring ---- X --- cm .

Non Capsulated, greyish white mass, replacing and infiltrating the underlying tissue with Cut Surface showing areas of haemorrhage and necrosis.

Exception: NO greyish white colour in.

Malignant Melanoma	→	dark brown
Renal cell Carcinoma	→	golden yellow
Seminoma	→	pink ; greyish.
Sarcoma	→	tan coloured.
Chorio Carcinoma	→	dark reddish grey.

* Cavity :

Acute abscess :

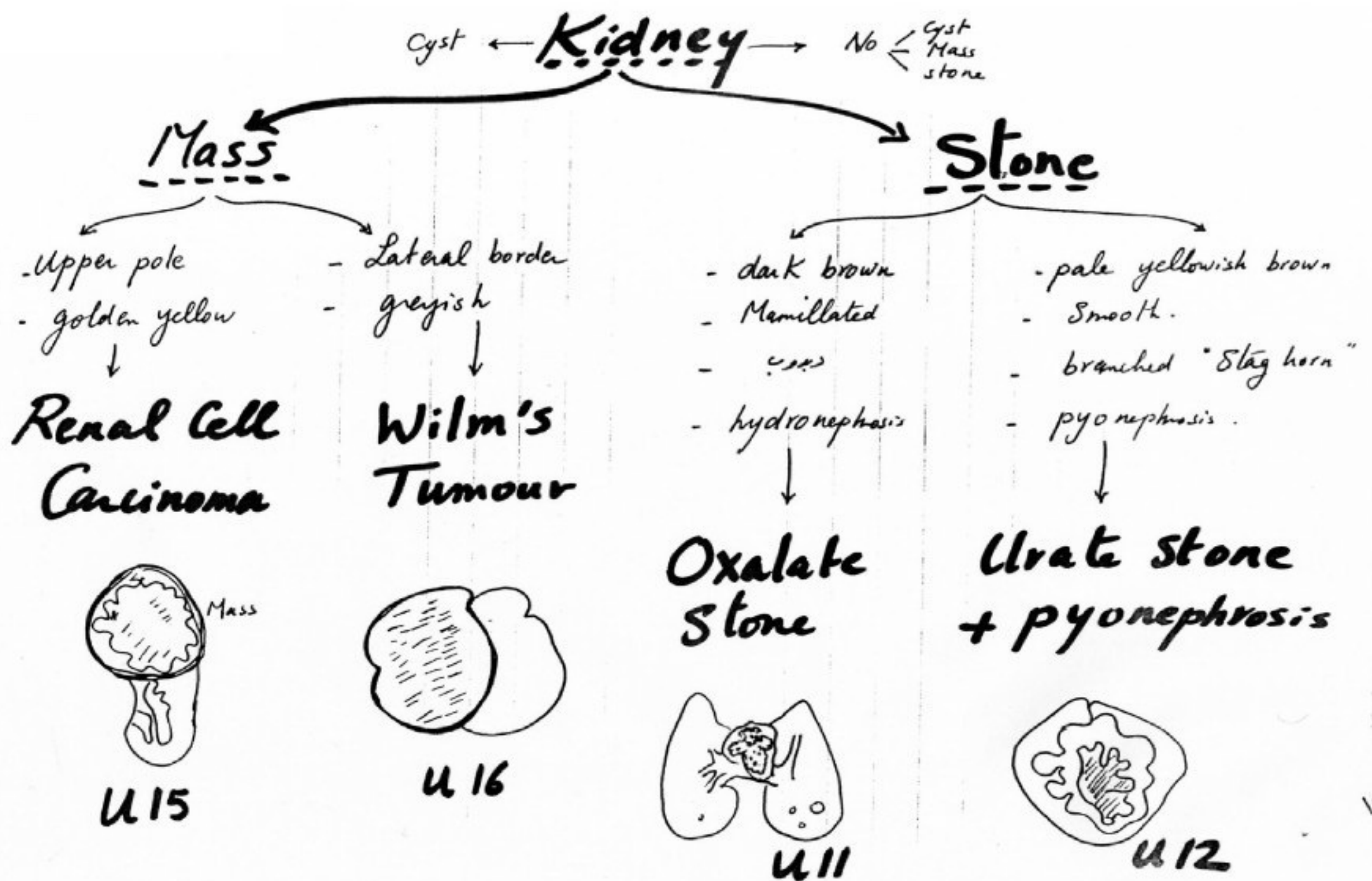
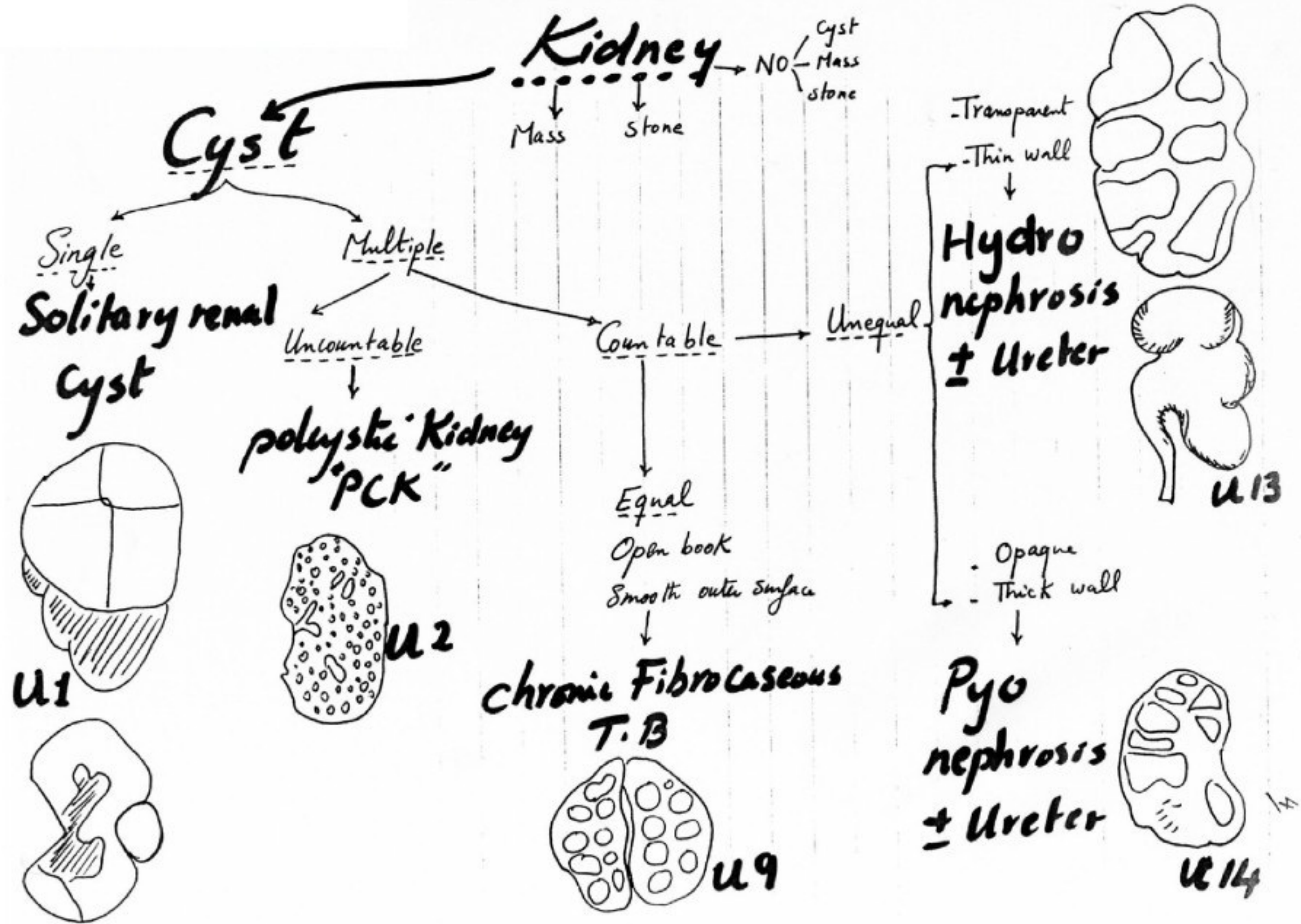
----- + With thin necrotic irregular walls, filled with necrotic tissue and pus, surrounding tissue is congested

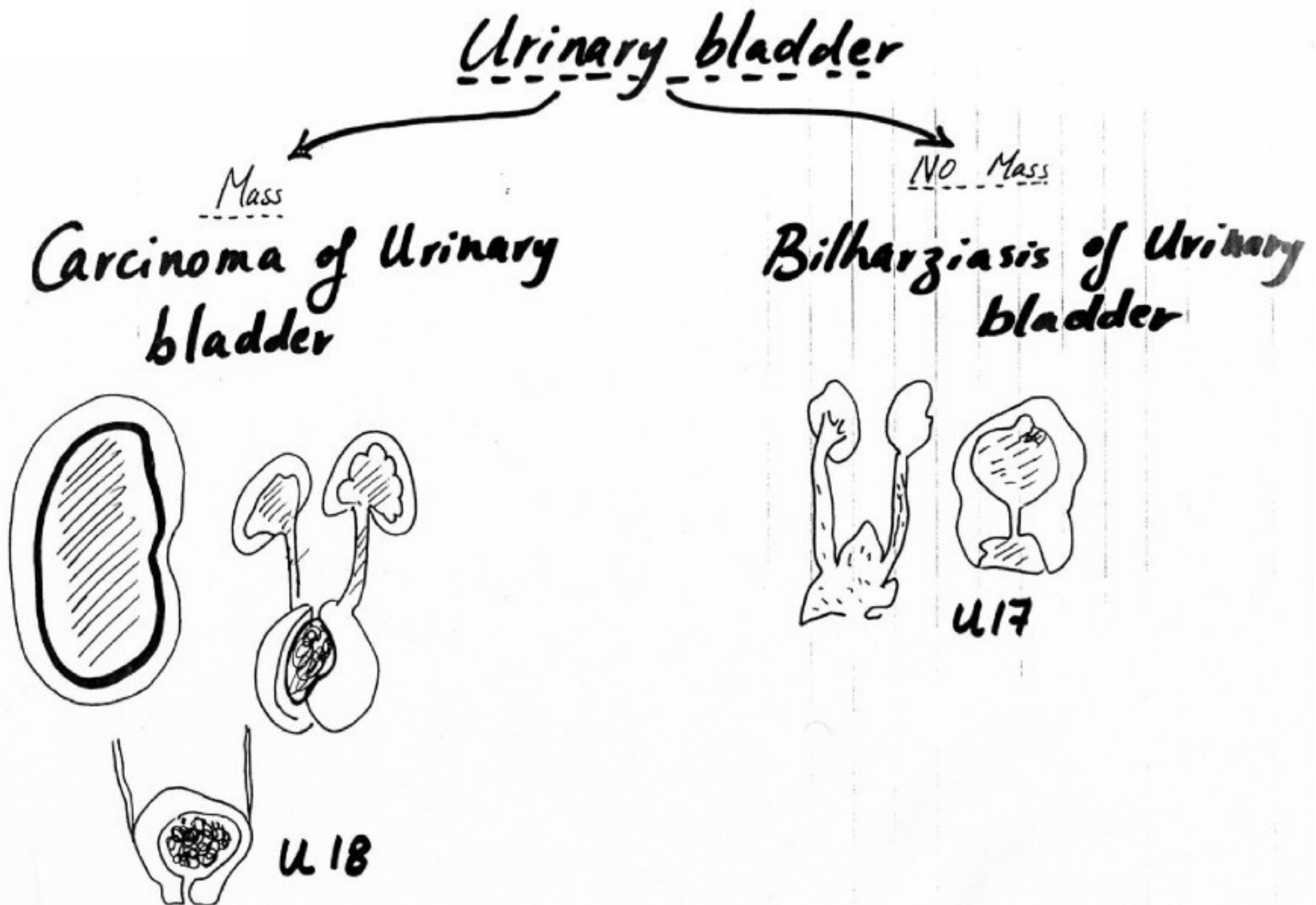
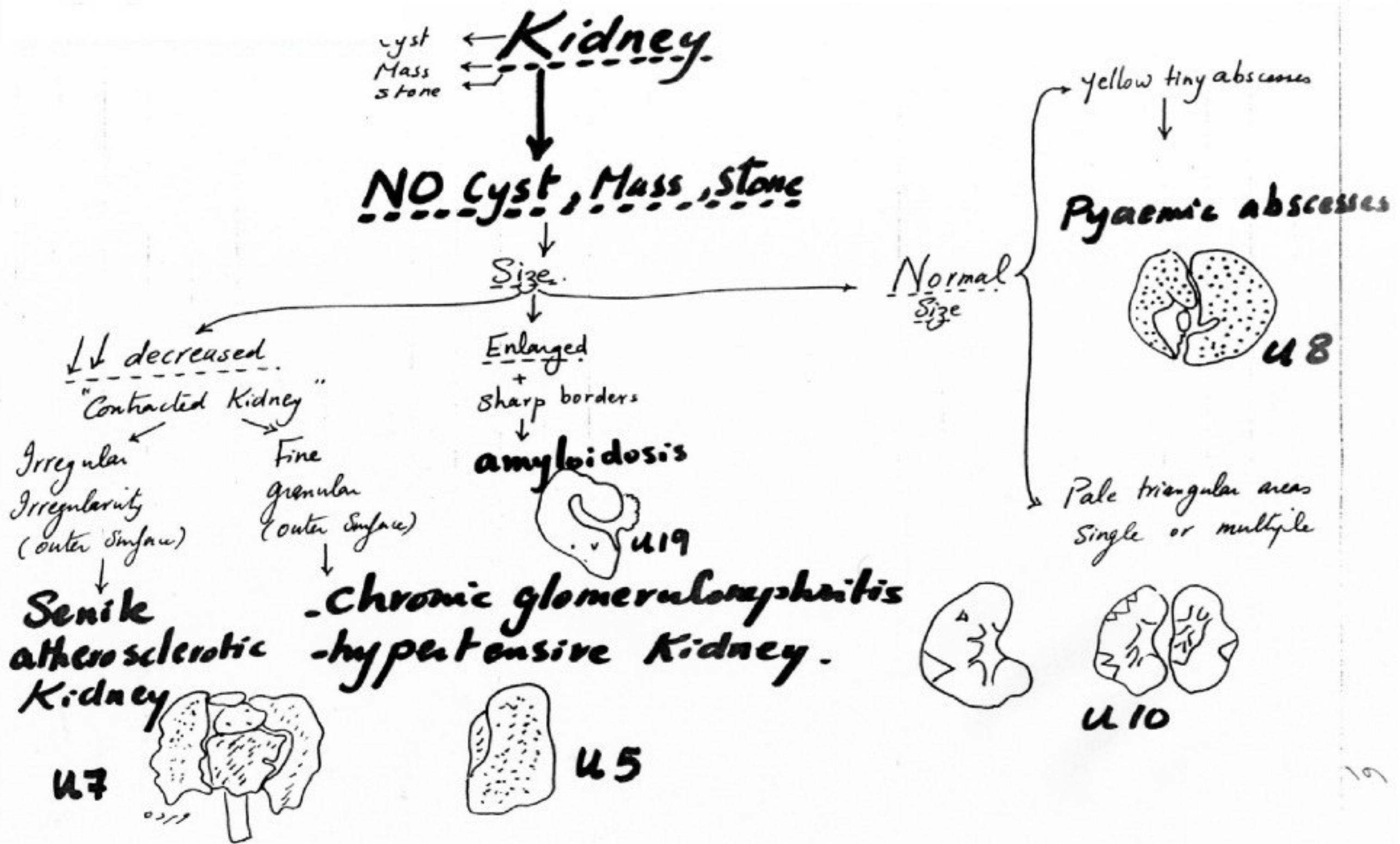
Chronic abscess :

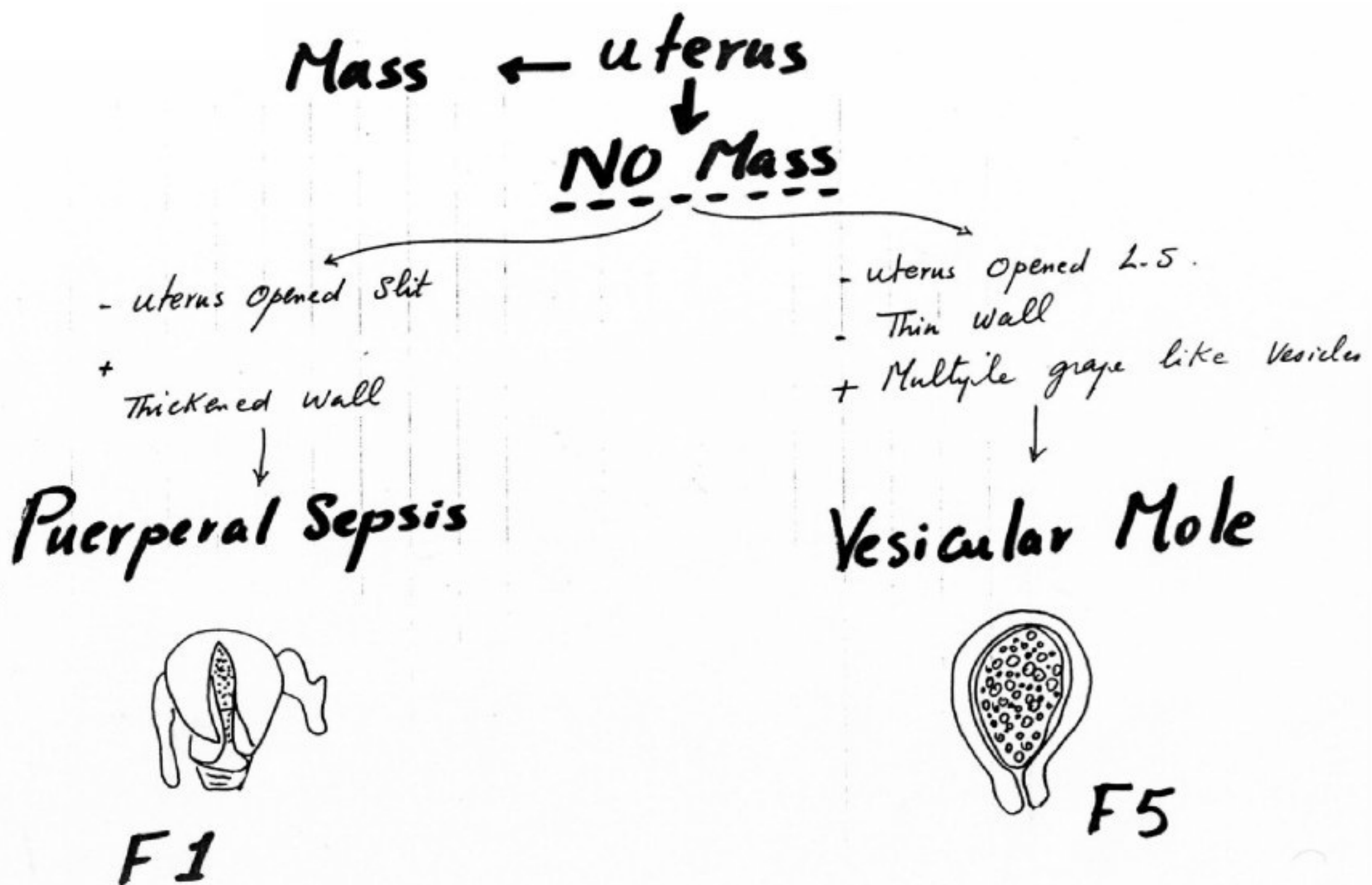
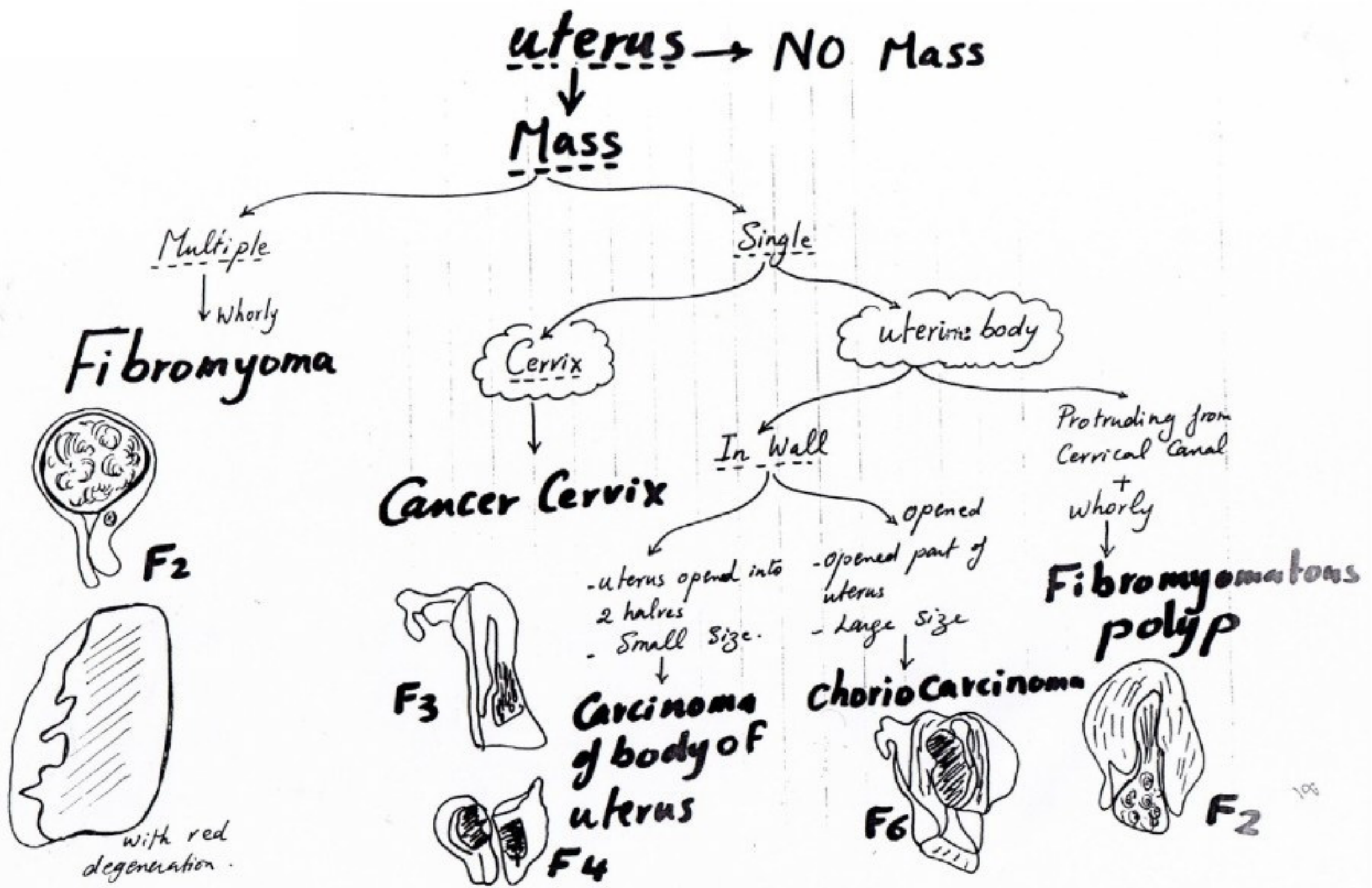
----- + With thick regular smooth walls, empty lined by inspissated pus, surrounding tissue is fibrosed

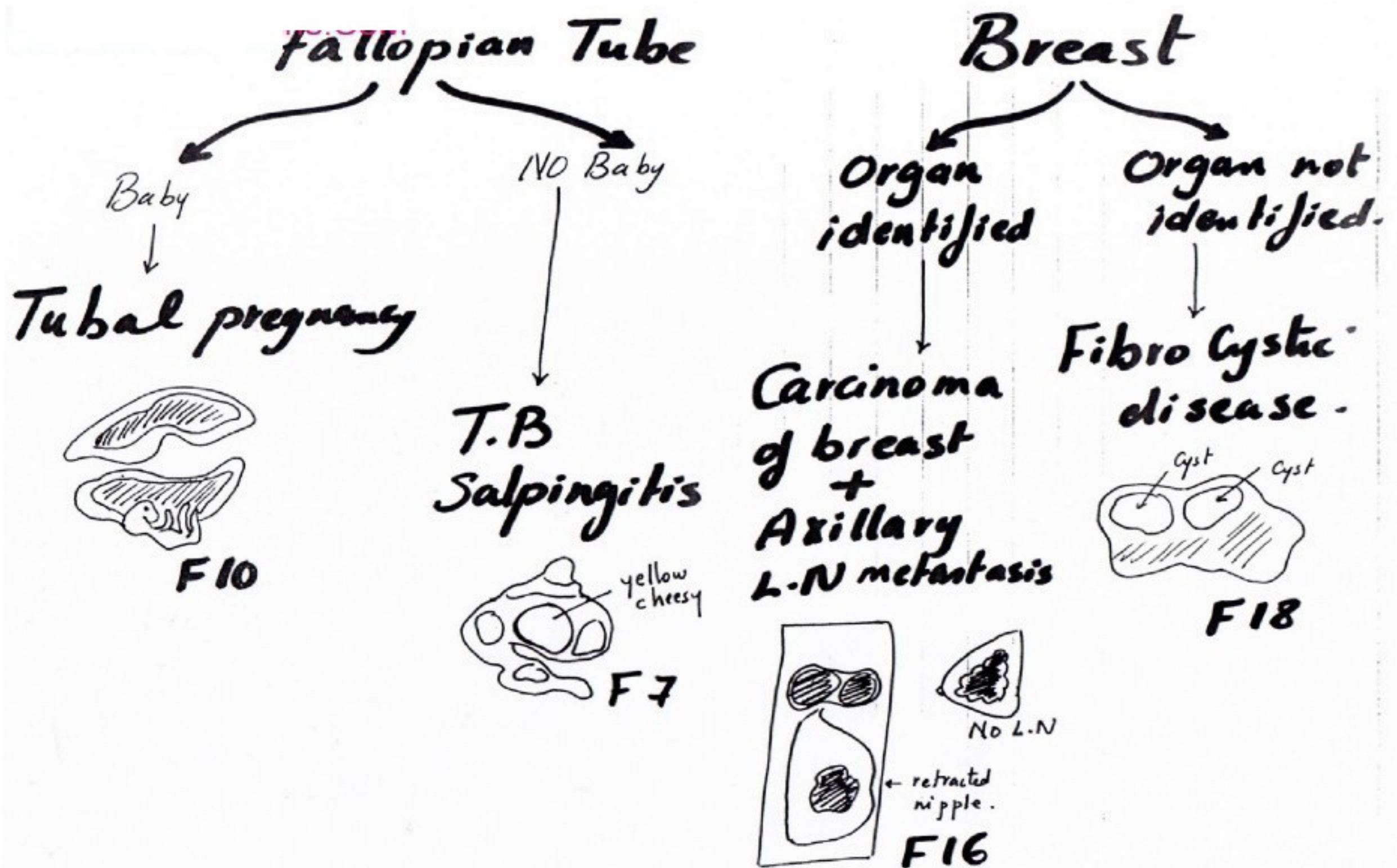
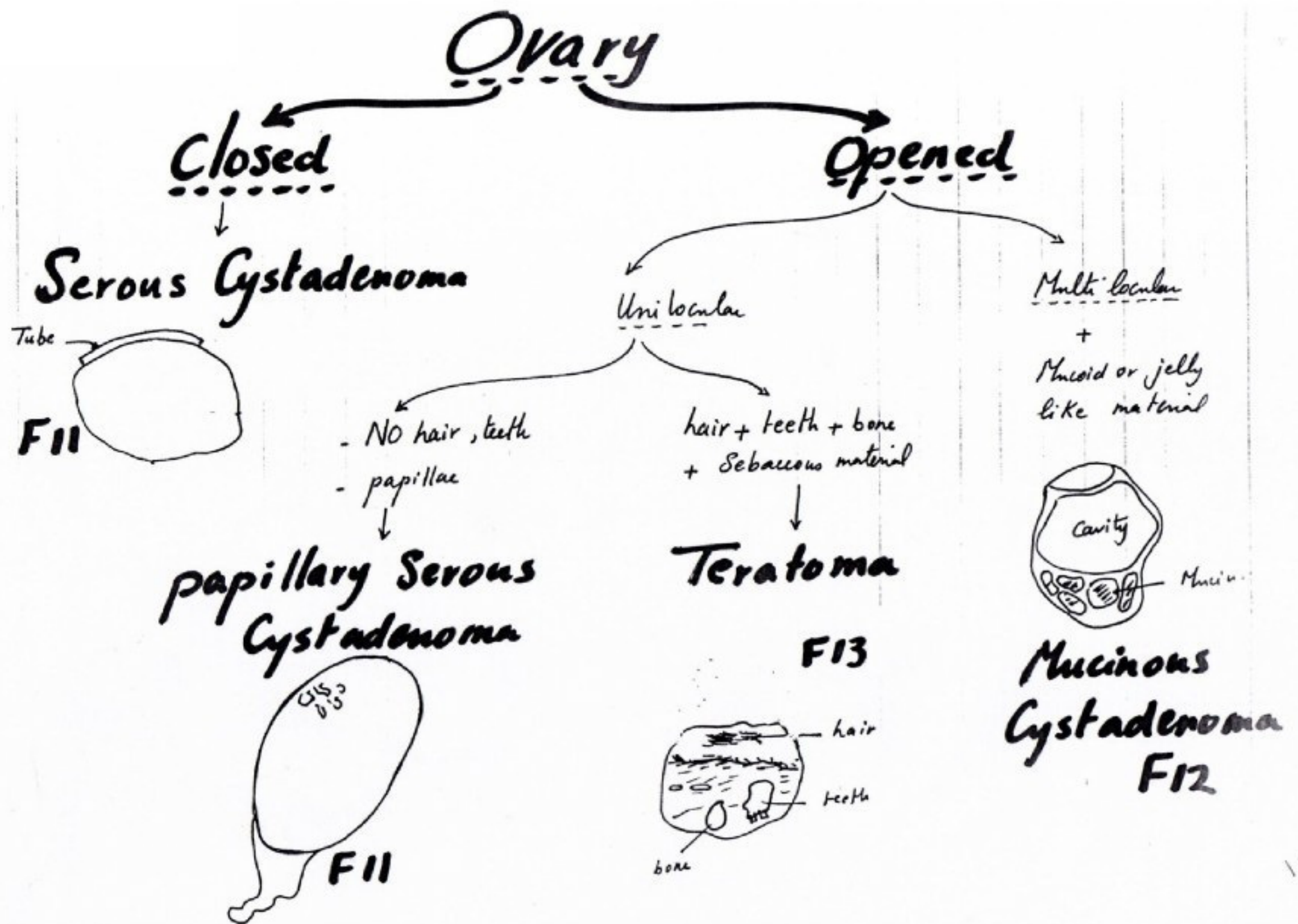
* Malignant ulcer :

 raised everted edges
 Necrotic floor
 infiltration of underlying tissue.



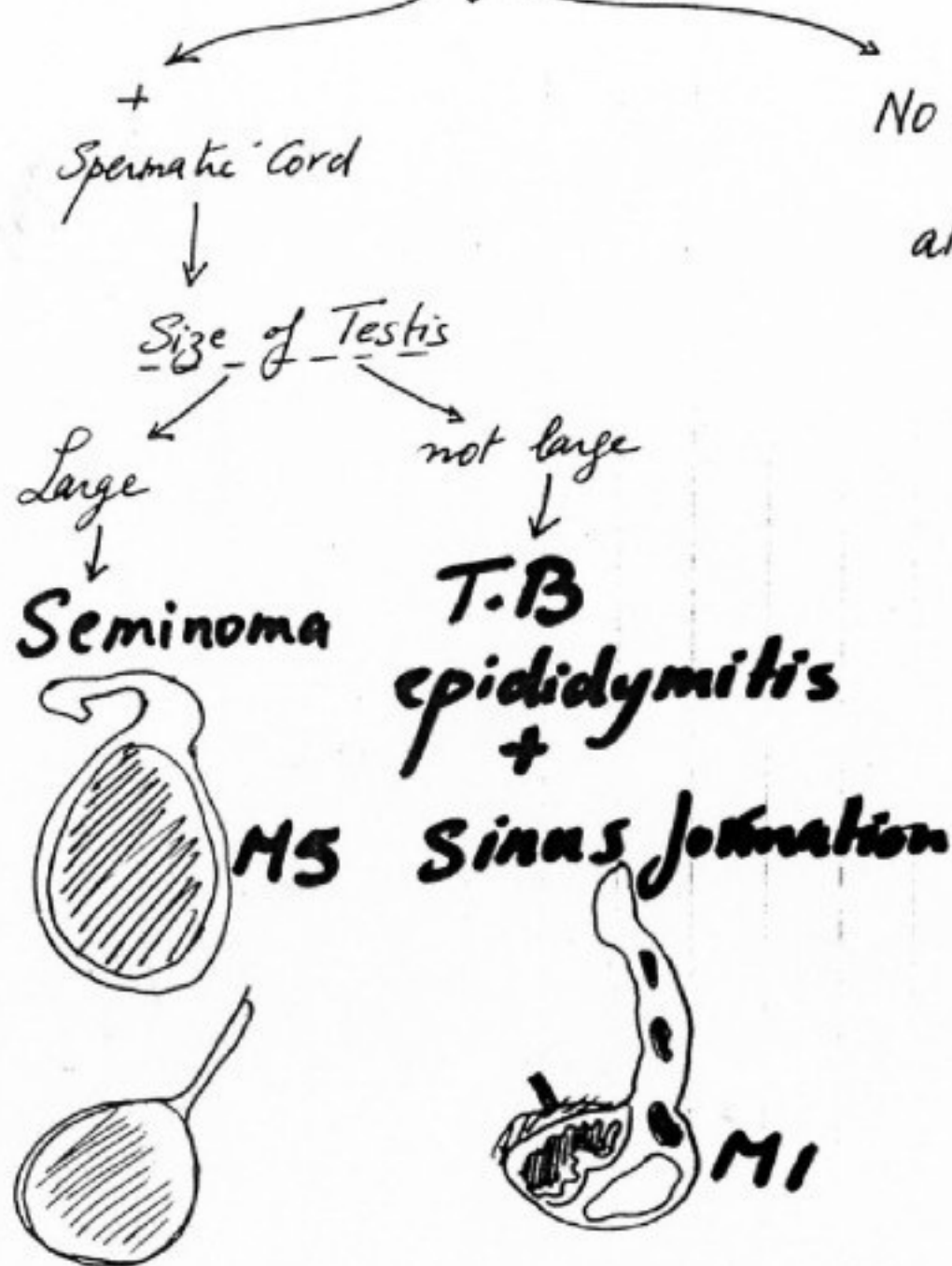






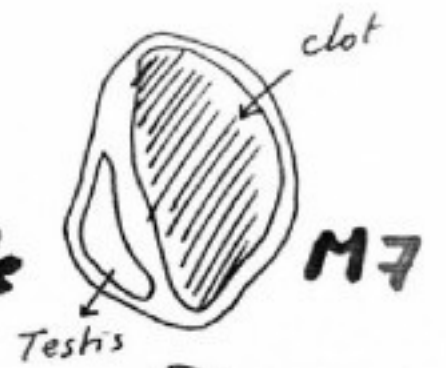
Male genital System

Testis + epididymis

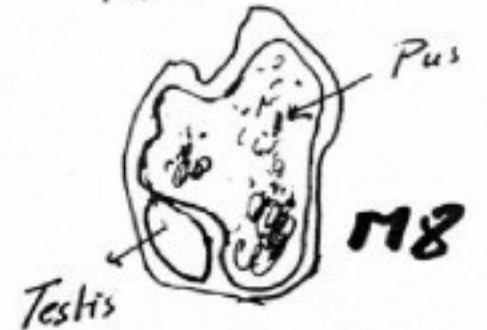


No Spermatic Cord + atrophic Testis

Dark red clot
Haematocele



Yellowish pus
Pyocoele



Prostate = benign Prostatic hyperplasia



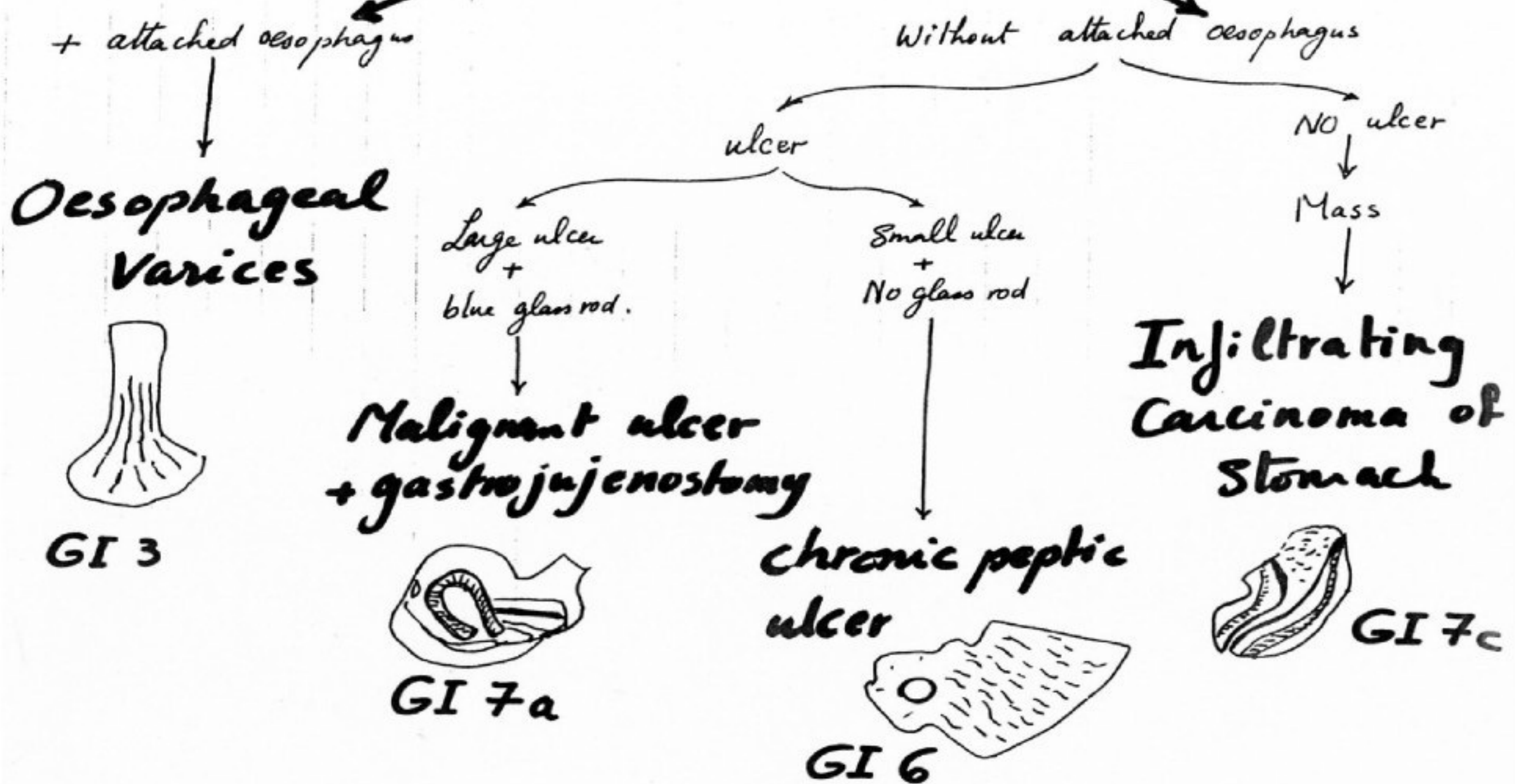
Seminal Vesicles = bilharziasis

in Urinary bladder + Seminal vesicles



Gastrointestinal Tract

Stomach



Small intestine = NO appendices Epp.

Closed

Opened

adherent loops
+ yellow spots

T.B
Peritonitis



GI 18

Rounded or U shape
+ dark grey colour
+ Black areas

GI 15



**Strangulated
hernia.**

Rounded
+ blind pouch



GI 19

**Meckel's
diverticulum**

Transverse

**T.B
ulcer**



GI 12

Longitudinal

**Typhoid
ulcer**



GI 11

ulcer

NO ulcer

Intussusception

$\frac{1}{2}$ opened
 $\frac{1}{2}$ closed

ileoileal



شباك

ileoileal



Rounded bulge



GI 16

ileocaecal

Large intestine = appendices eppip.

Mass

ulcer

NO Mass ulcer

= **Bacillary
dysentery** GI 8

Single

**Fungating
Carcinoma
of L.I**



GI 14 a

Multiple = **Bilharzial
polypi in L.I**



GI 10

Single

**Malignant
ulcer**



GI 14 b

Multiple

**Amoebic
ulcer**



GI 9

Appendix

= **acute Suppurative
appendicitis**



GI 17

+
**Fistula
Formation**

Respiratory System

Larynx

No Mass

Diphtheria طبل



R1

Mass

Localized
محدود (مركز)

Papilloma



R2

Large irregular mass/ulcer

Carcinoma of Larynx
± L.N metastasis
± Malignant ulcer
± Tracheostomy



R3b



R3c



R3a

Lung

Cavity

Mass

NO-Mass
Cavity

Single

لون أسود

Lung gangrene + empyema



R13

Acute Lung abscess

- Thin Wall
- Irregular lining
- filled by necrotic tissue + pus



R10

Chronic Lung abscess

- Thick wall
- Smooth lining
- empty

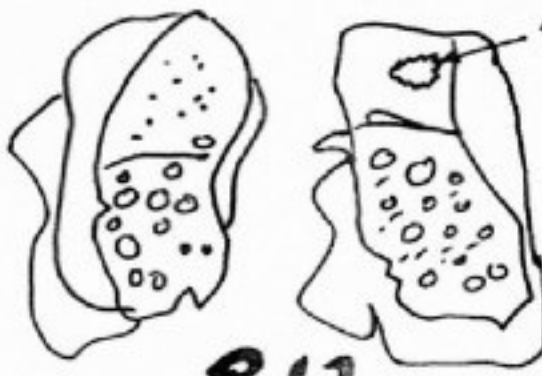


R11

Multiple

Multiple Small Cavities
at the base
± Lung abscess

Bronchiectasis



R12

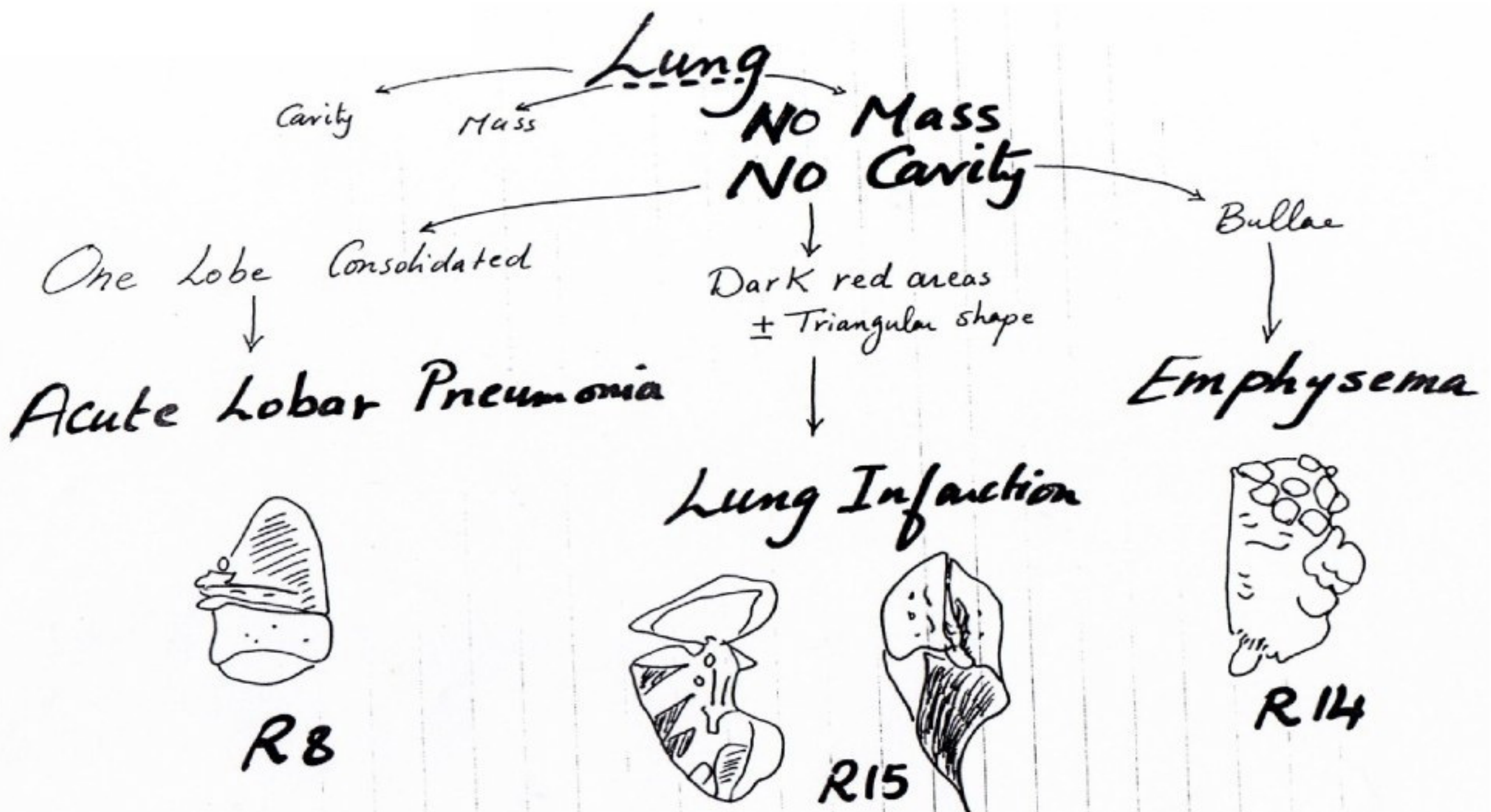
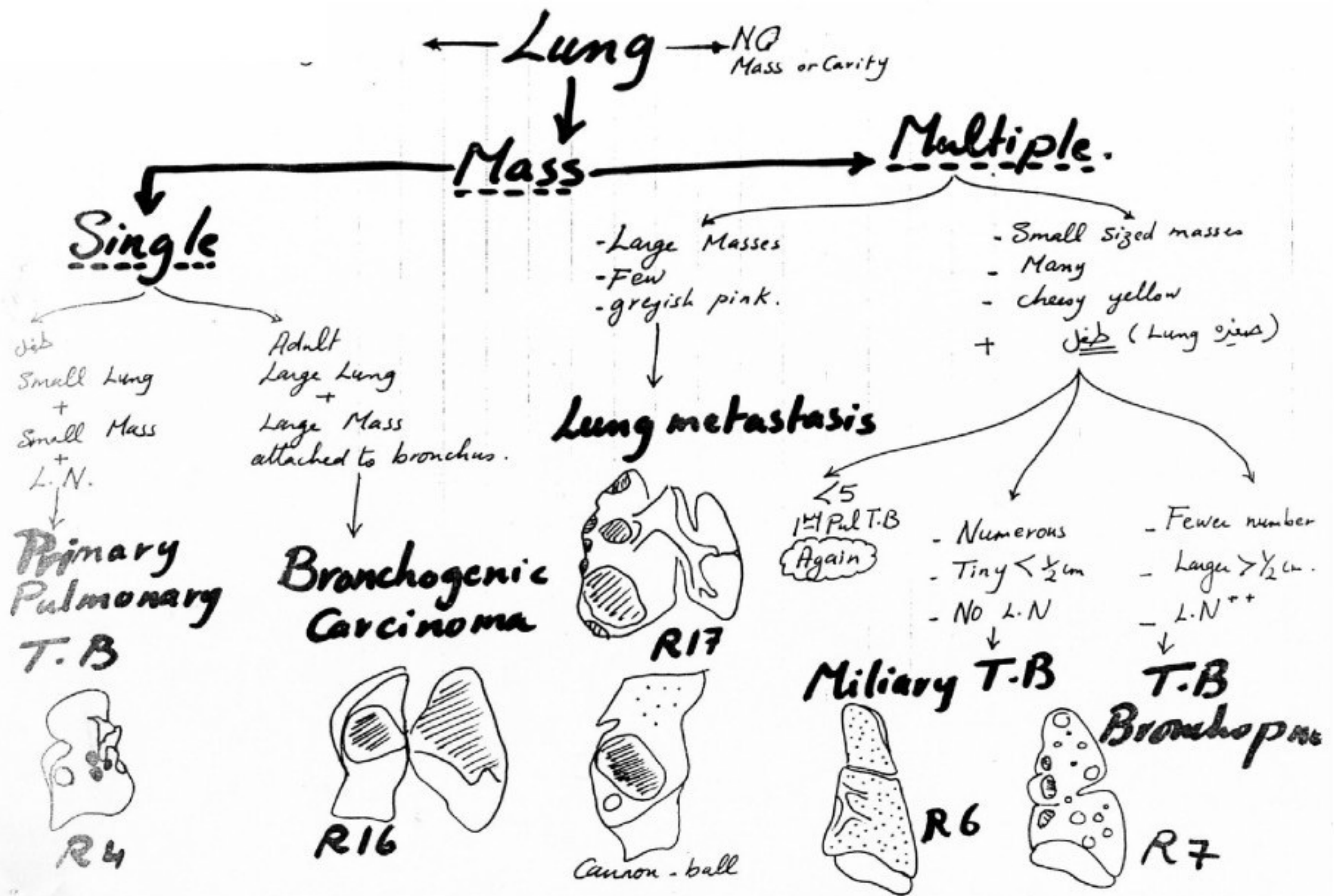
Large apical Cavity
± Caseation
+ Multiple small Cavities
all over lung.

Chronic Fibrocaseous T.B.

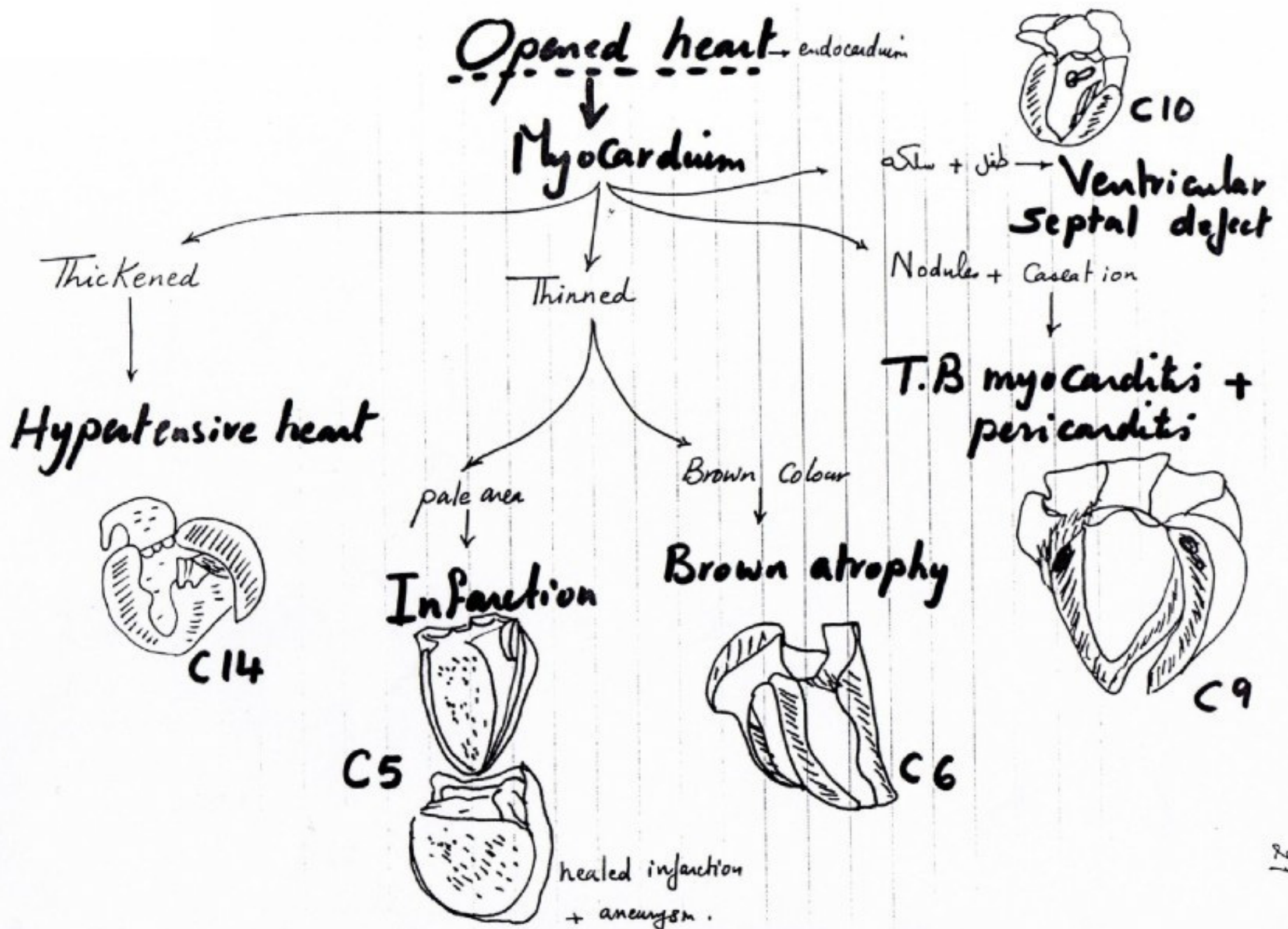
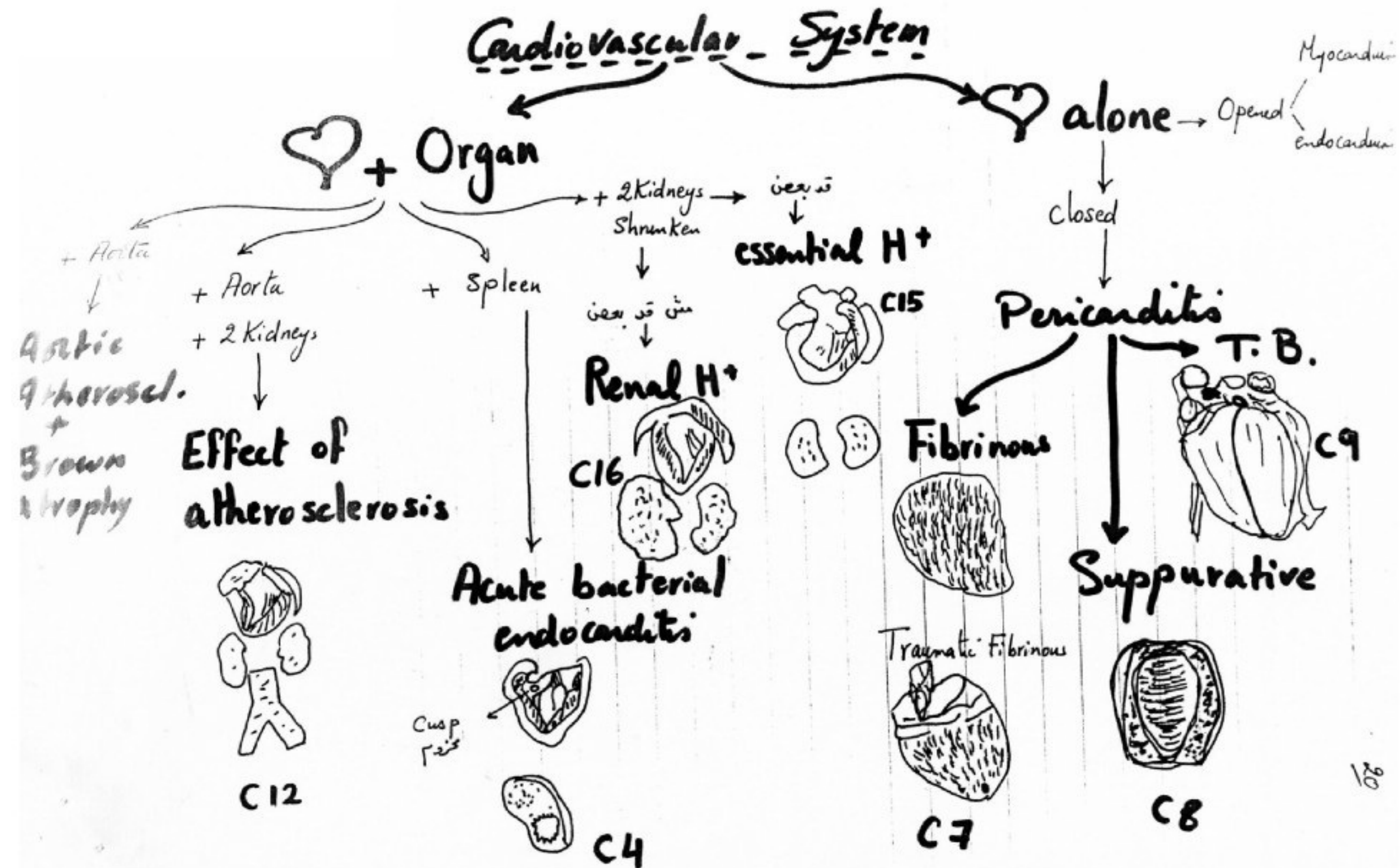


R5





Cardiovascular System



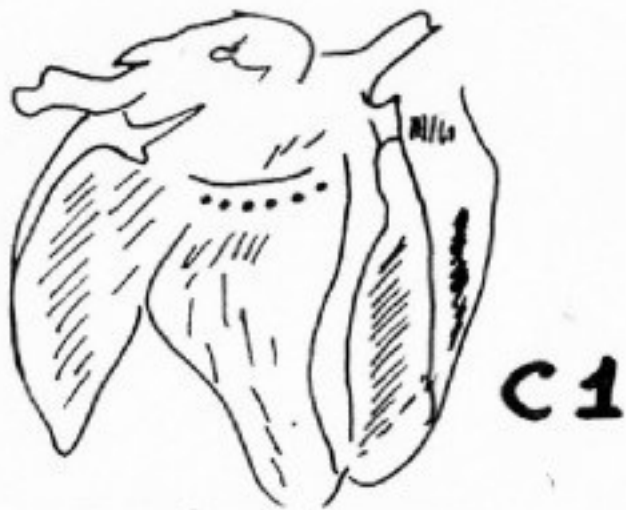
Opened heart

Endocardium

Vegetations

Small beaded
Stretched Cusp

Acute Rheumatic endocarditis



Large
polypoid
+
Thick Cusp

Subacute bacterial endocarditis

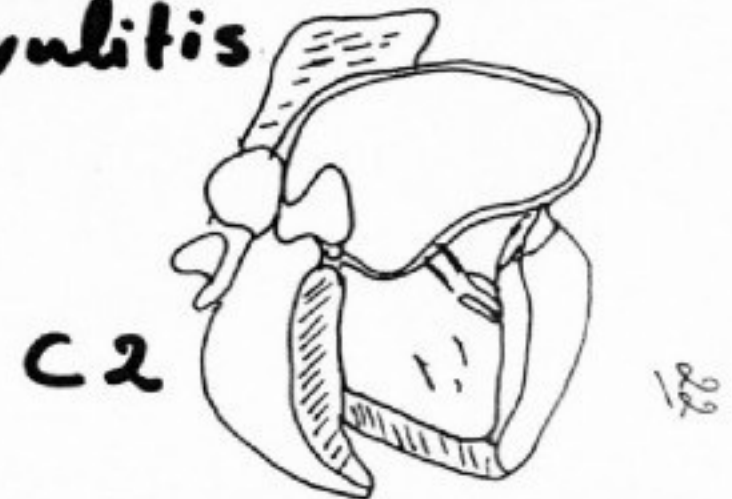
S.B.E + Ch. rheumatic Valvulitis + H.S.



NO Vegetations

Thickened Cusp
dilated left atrium

Chronic Rheumatic Valvulitis



Blood Vessel

Aorta

Dilated

Not dilated
Segment + bifurcation



Atherosclerosis

Vein



Thrombosed piles

Hone + empty

Gyphilitic Aortitis

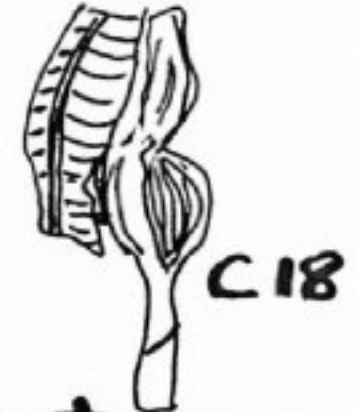


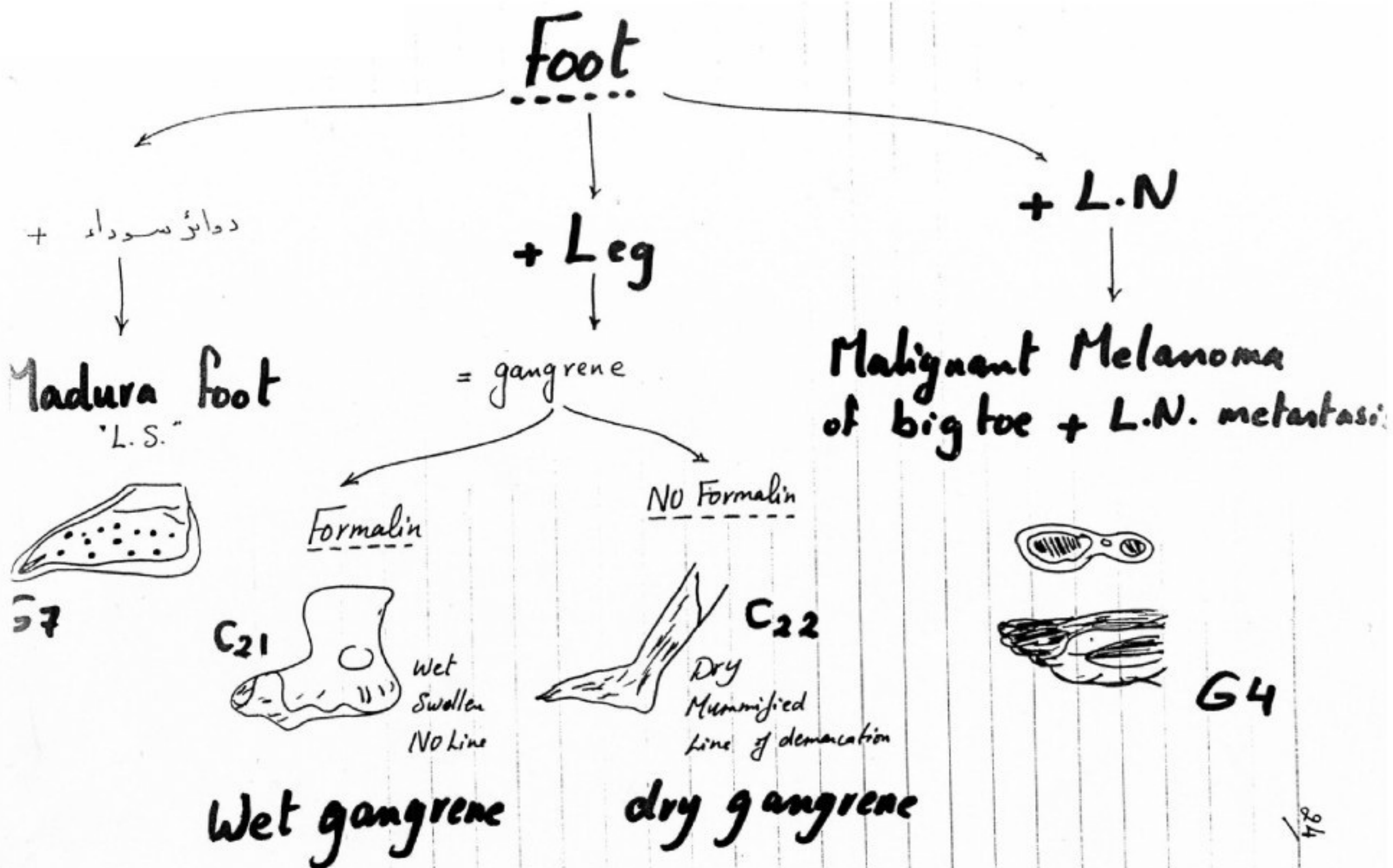
Filled by a thrombus (Onion)

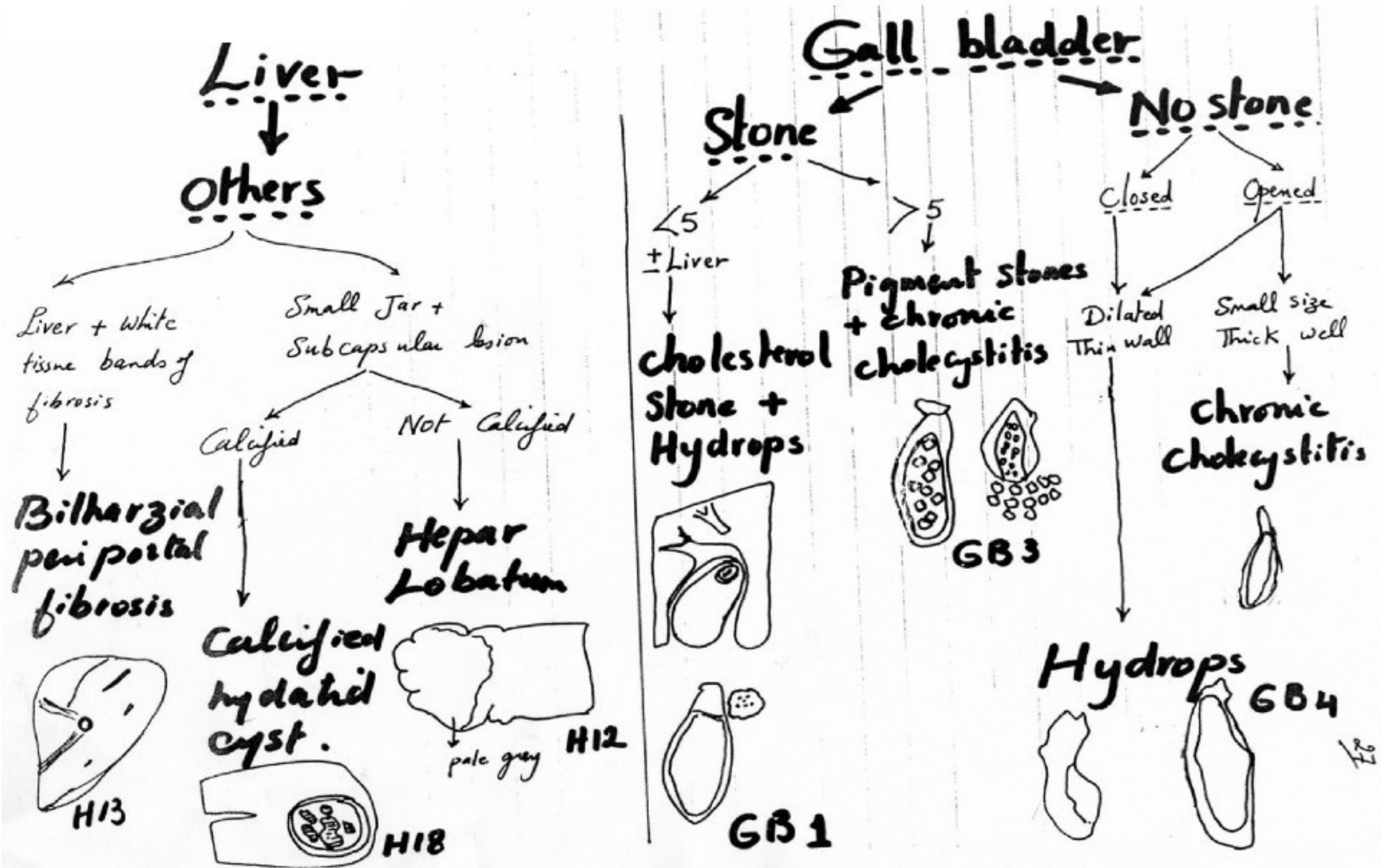
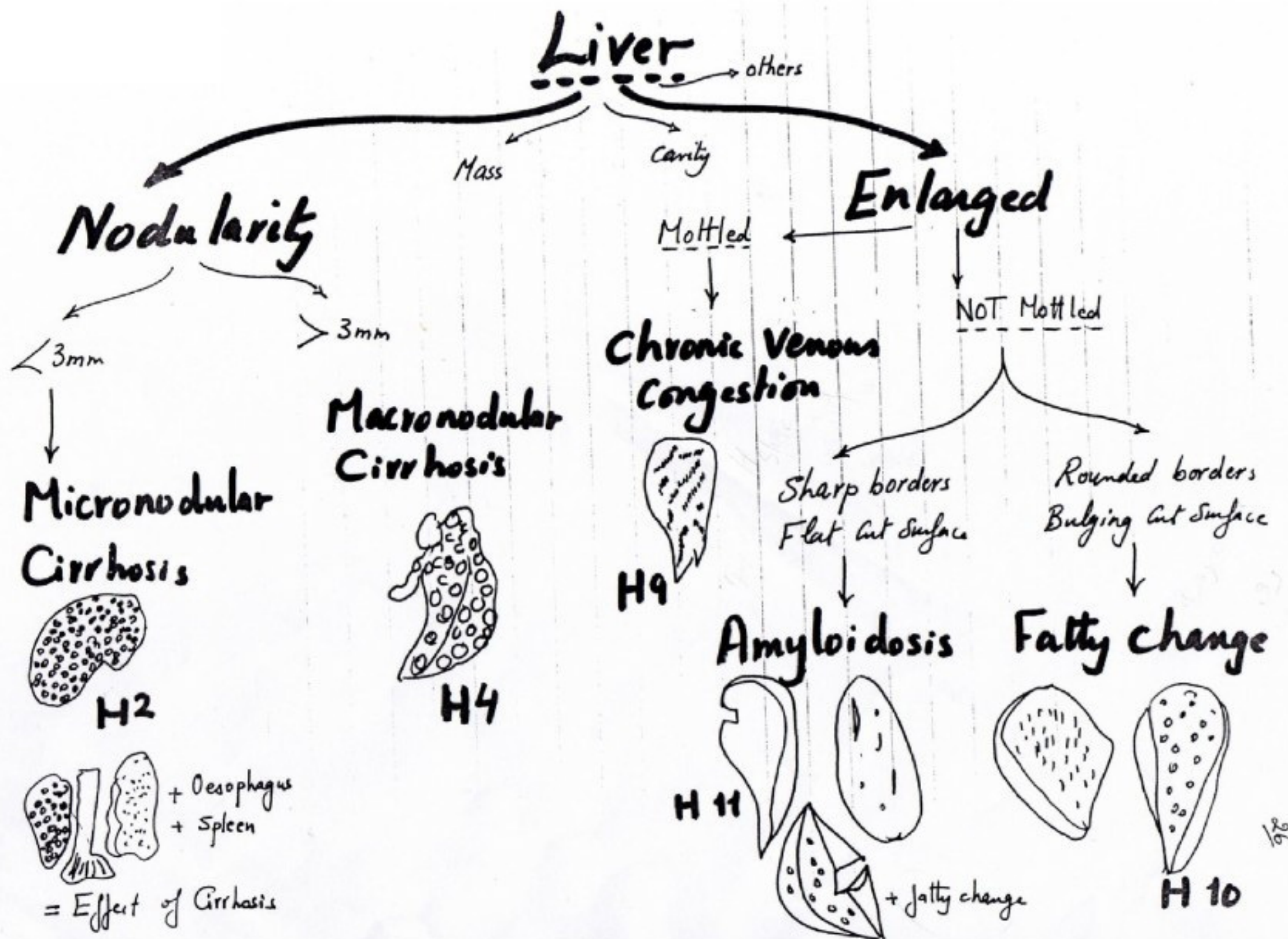
Aortic Aneurysm + Laminated thrombus

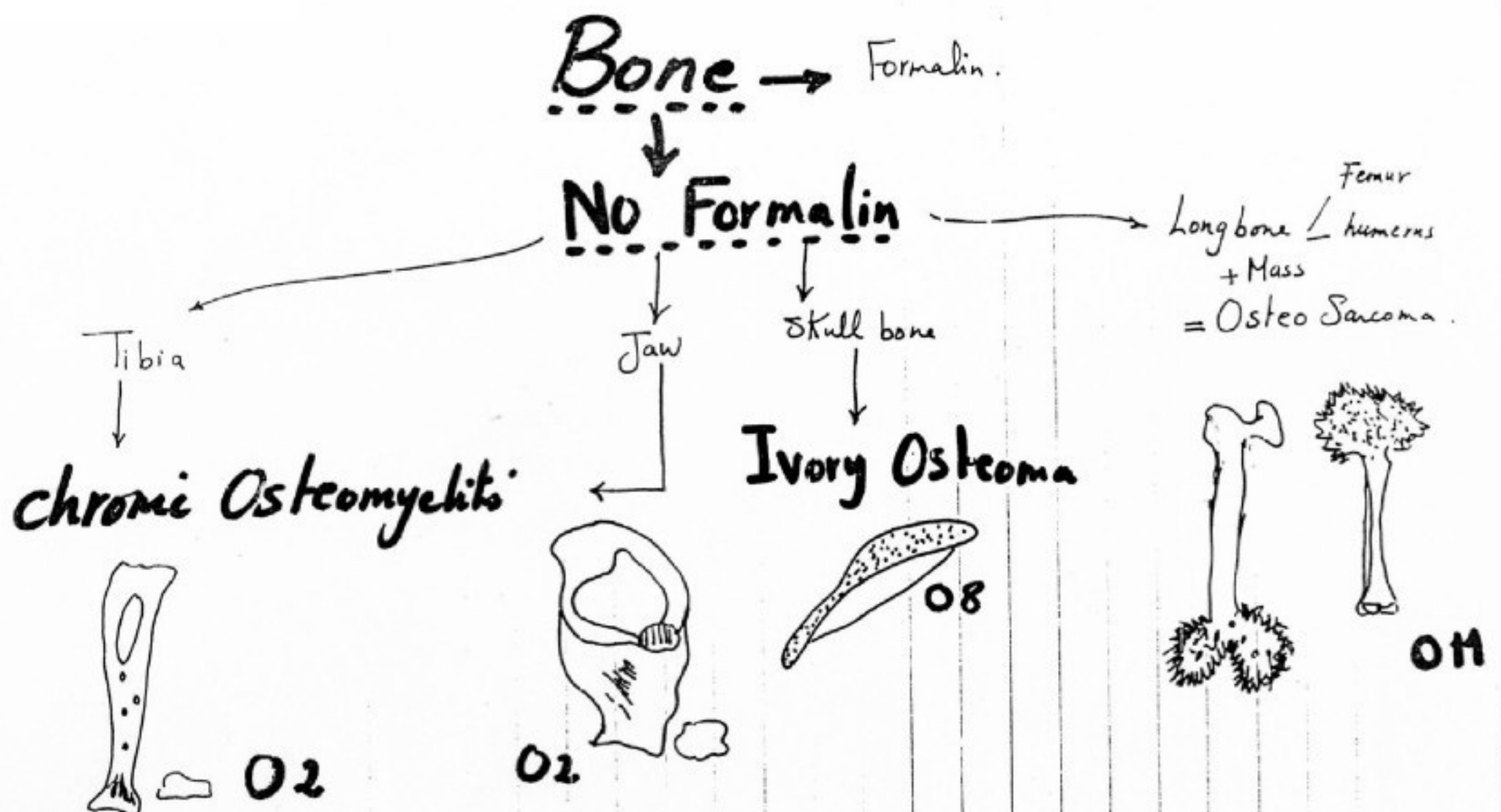
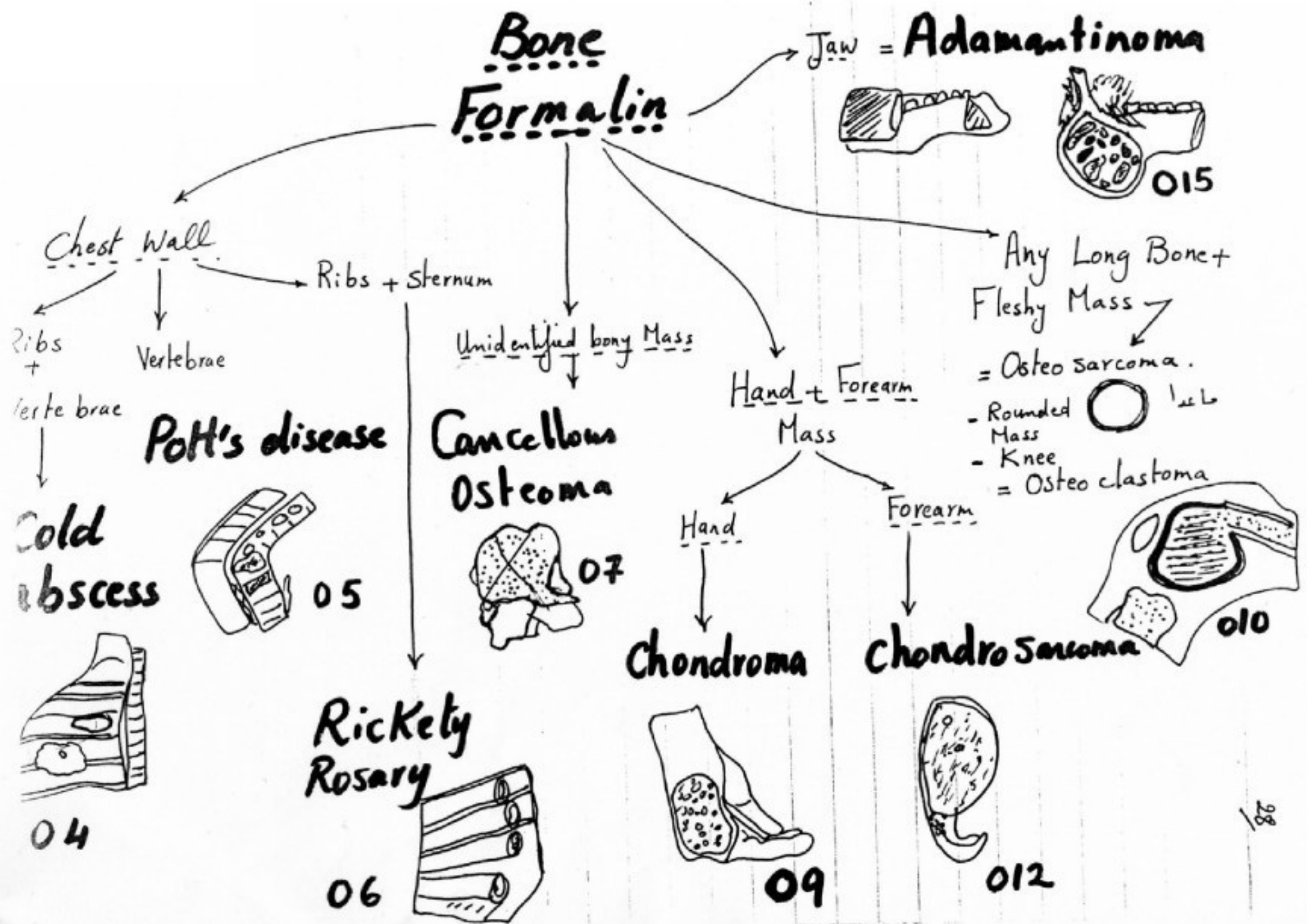


= Aortic Aneurysm +
Laminated thrombus +
pressure atrophy of Vertebral
Column

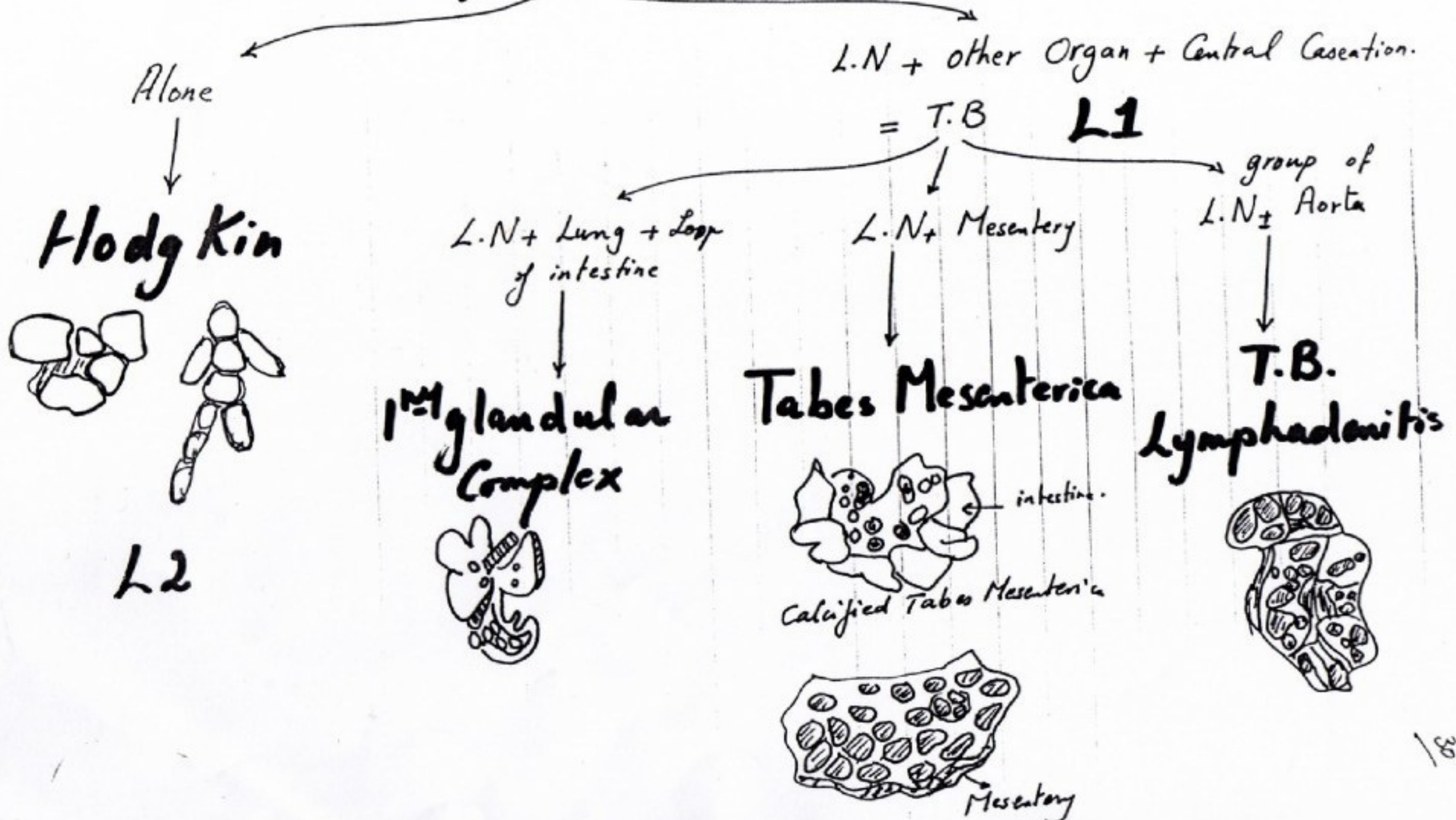




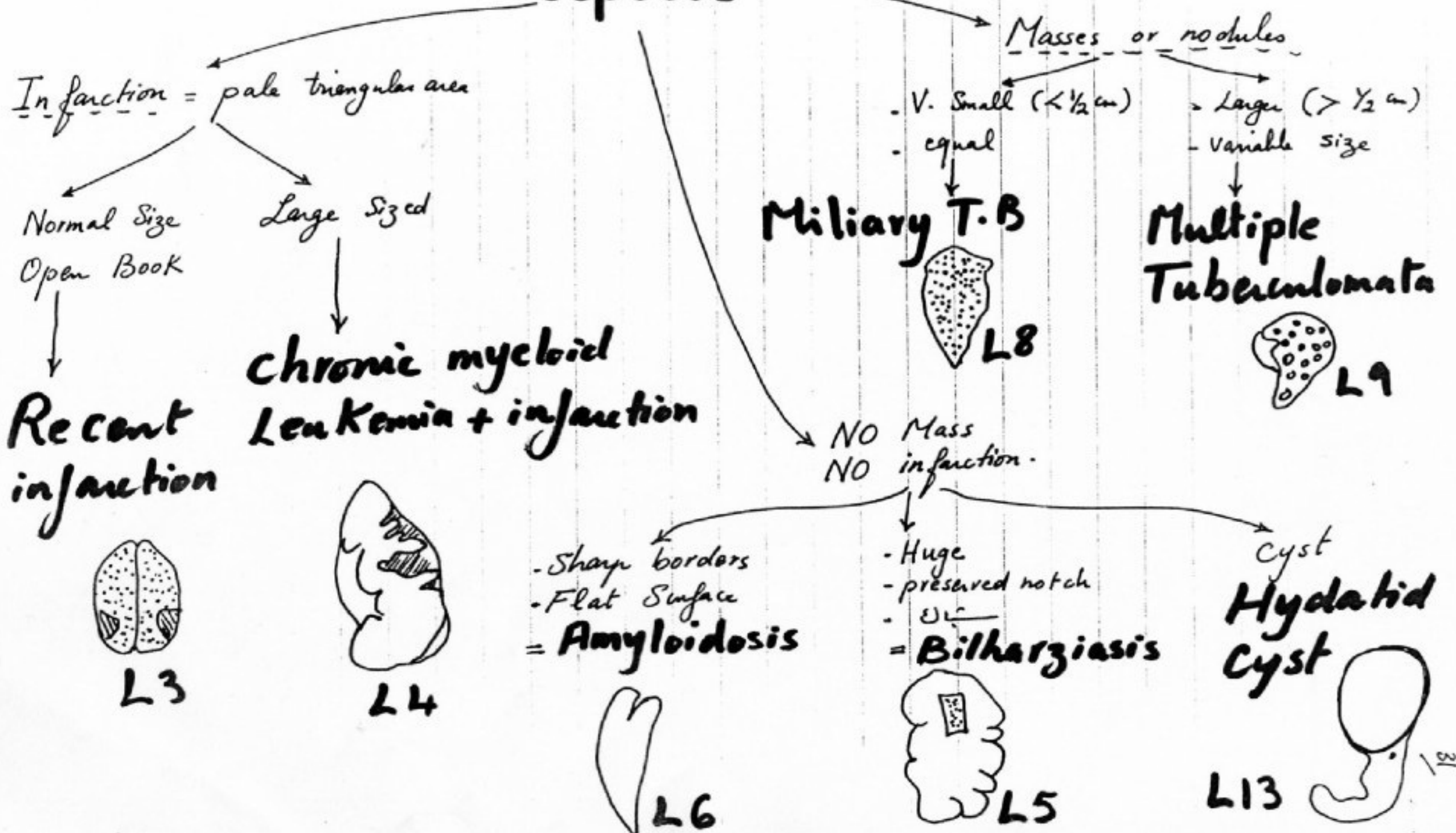




lymph nodes



Spleen



Brain

Cavity

H. shaped
= dilated Ventricle

Hydrocephalus



B 8

Oval = abscess

Cerebellum

Brain

Acute Cerebellar abscess



R 4

Chronic Cerebral abscess

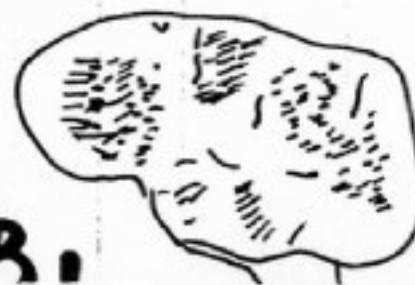


B 5

NO Mass
NO Cavity = Meningitis

Sagittal Section
+ yellow pus

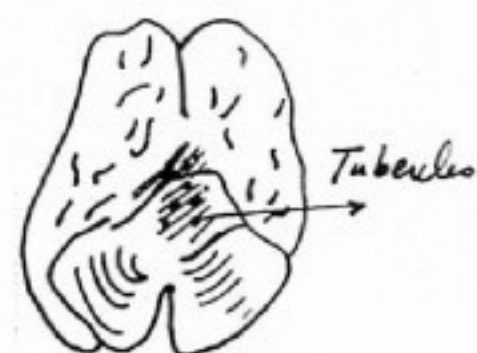
Acute Suppurative Meningitis



R 1

Base + Tubercles
gelatinous exudate

= T.B. Meningitis



B 2

Brain

Cavity

No Cavity
No mass

Mass or nodule

Brown or Black

- Non anatomical Section
- Small Sized < 1cm
- + at bottom

Metastatic nodules
(Malignant Melanoma)



B 12

غير گرد = haemorrhage

- Anatomical Section
- Size > 1cm
- any site

Cerebellum
Ventricle
Cerebral
Multiple



B 7

NOT Black

Sagittal Section
+ pale nodule
at frontal lobe

Single
Tuberculomata



B 3

Cerebellum

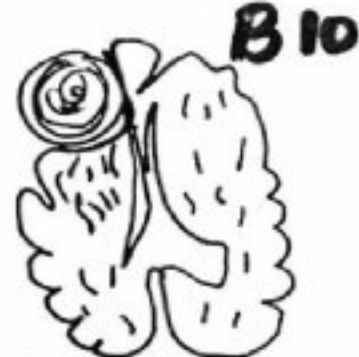
Medulloblastoma



B 11

Meningioma

Brain
Transverse section
greyish
whorly



B 10

32

33